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**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

Application of Pacific Gas and Electric
Company Proposing Cost of Service and Rates
for Gas Transmission and Storage Services for
the Period 2019-2021.

(U 39 G)

Application No. 17-11-____

**PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 G)
2019 GAS TRANSMISSION AND STORAGE RATE CASE APPLICATION**

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Dated: November 17, 2017

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I. INTRODUCTION

By this 2019 Gas Transmission and Storage (GT&S) Rate Case Application, Pacific Gas and Electric Company (PG&E or the Company) asks the California Public Utilities Commission (Commission or CPUC) to increase PG&E's gas transmission and storage rates, effective January 1, 2019, to collect the reasonable revenue requirement for PG&E to continue to provide safe and reliable gas service to our customers.^{1/} This application is filed pursuant to Commission Decision (D.) 16-06-056, which ordered PG&E to file its GT&S rate case application for the period 2019-2021 in 2017.^{2/} As discussed further below, PG&E also presents a revenue requirement and rates for 2022, to provide the Commission a basis upon which to order a possible third attrition year. PG&E does not formally propose the adoption of a third attrition year for this rate case. Nonetheless, PG&E has included—for the evidentiary record—a third attrition year, in the event that the Commission decides to make this a four year rate case for any reason, including to combine the GT&S Rate Case with PG&E's General Rate Case (GRC).

Like the 2015 GT&S Rate Case, PG&E's forecast for the work it plans to undertake in the 2019-2021 period places safety as our top priority. The rate case forecast is supported by a

1/ PG&E submits this application pursuant to Article 2 and Rule 3.2 of the Commission's Rules of Practice and Procedure.

2/ D.16-06-056, *mimeo*, Ordering Paragraph 3.

risk-informed asset management and investment planning process, and reflects maturation of PG&E's risk models since the 2015 case. This is the first GT&S Rate Case to be filed in the midst of the two new safety and risk processes resulting from the D.14-12-025—the Safety Model Assessment Proceeding and the Risk Assessment Mitigation Phase (RAMP). Six of the top risks that PG&E faces that will be addressed in PG&E's RAMP filing are risks related to gas transmission and storage.^{3/} The work PG&E proposes during this rate case period is designed to mitigate these risks, and continue to deliver reliable gas service to our customers.

The increase PG&E seeks in this case is largely attributable to infrastructure investment and the costs related to new natural gas storage safety and environmental regulations. During this rate case period, PG&E plans to continue its risk-based work to improve our infrastructure, including (1) conducting in-line inspection (ILI) to inspect for integrity management on approximately 2,100 miles of transmission pipeline; (2) performing ILI upgrade projects to make approximately 1,100 miles of pipeline capable of in-line inspection, with a goal to make 67 percent of our gas transmission system capable of in-line inspection by 2026; (3) automating 80 valves, completing almost 95 percent of the Valve Automation Program by the end of 2021; (4) replacing compressors at McDonald Island; (5) performing several simple and complex Measurement and Control (M&C) station rebuilds; (6) hydrostatically testing 240 miles of transmission pipeline; and (7) identifying and mitigating Direct Current (DC) interference with an emphasis on all gas transmission lines in proximity to DC powered mass transit systems.

In addition, a significant driver of the increase for storage assets is anticipated new regulations issued by the California Division of Oil, Gas and Geothermal Resources (DOGGR), requiring storage operators to perform well integrity assessments every two years and to eliminate a possible single point of failure from natural gas storage wells. To comply with the anticipated new DOGGR regulations, PG&E plans to retrofit 80 storage wells over a two year

3/ The relationship of this GT&S rate case to PG&E's RAMP (which will be submitted on November 30, 2017), is described in Chapter 4, "Safety, Risk and Planning."

period, and perform integrity assessments on 45 gas storage wells per year over the three-year rate case period.

At the same time, we understand that it is important for energy to remain affordable, and this rate case reflects two efforts to address the issue of affordability. First, PG&E has developed a Natural Gas Storage Strategy built around the proposed divestiture or decommissioning of the Los Medanos and Pleasant Creek storage fields. The proposed closure will save customers hundreds of millions of dollars over the long-term, and ready the Company for the potential for declining use of natural gas consistent with the state's energy policy goals. There is broad stakeholder interest in executing the Natural Gas Storage Strategy, the tenets of which are reflected in a Memorandum of Understanding (MOU) attached to Chapter 11.^{4/} Second, this rate case is the first to include the results of a multi-year initiative designed to allow PG&E to continue to perform work to keep the system safe and reliable, in a more cost efficient manner. This effort, known as Gas Stewardship, is discussed further in Chapters 2 and 13.

II. STATEMENT OF RELIEF AND AUTHORITY SOUGHT

In this Application, PG&E requests that the Commission authorize GT&S revenue requirements collected in rates of: \$1.590 billion for 2019, \$1.725 billion for 2020, and \$1.905 billion for 2021. Should the Commission authorize a fourth year for the rate case period, PG&E's forecast revenue requirement for 2022 is \$1.913 billion. PG&E's 2019 revenue requirement forecast represents a 22 percent increase over the 2018 adjusted authorized revenue requirement collected in rates of \$1.301 billion.^{5/} If PG&E's requested revenue requirements and rates are adopted, a typical residential customer using 34 therms per month would see an

4/ The parties to the MOU are PG&E Gas Operations, PG&E Core Gas Supply and Electric Fuels, The Utility Reform Network, Central Valley Gas Storage, L.L.C., Gill Ranch Storage, L.L.C., Lodi Gas Storage, L.L.C., and Wild Goose Gas Storage, LLC.

5/ To calculate the adjusted authorized 2018 revenue requirement, PG&E adjusted the \$1.230 billion authorized by the Commission in D.16-12-010 by the following three components: (1) Administrative and General, and common capital costs determined in the 2017 GRC; (2) update to the cost of capital filed on September 29, 2017 (Advice 3887-G/5148-E); and (3) the revenue requirement associated with Line 407, which recently went into service.

average monthly gas bill increase of \$1.11 in 2019 (or 2 percent), from \$54.85 to \$55.96. A typical small business customer using 277 therms per month would see an average monthly gas bill increase of \$6.65 (or 2.1 percent), from \$318.86 to \$325.51, on January 1, 2019.

Table 1 summarizes PG&E’s adopted 2017 and 2018 rates, and proposed 2019 rates for backbone, local transmission and storage components, which reflect the revenue requirements described above.

Table 1
Summary of Transportation and Storage Rates
\$/Dth, G-AFT @ Full Contract

Line No.		2017	2018	2019 Proposed Rates
1	Core Redwood	\$0.3581	\$0.3898	\$0.6566
2	Core Baja	\$0.3981	\$0.4298	\$0.6966
3	Noncore Redwood	\$0.4190	\$0.4508	\$0.7779
4	Noncore Baja	\$0.4590	\$0.4908	\$0.8179
5	Silverado/Mission	\$0.2611	\$0.2829	\$0.5558
6	G-XF	\$0.1884	\$0.1906	\$0.1995
7	Local Transmission-Core Retail	\$1.7030	\$1.8988	\$2.0976
8	Local Transmission-Noncore Retail and Wholesale	\$0.7432	\$0.8286	\$1.3202
9	Core Firm Storage	\$0.1860	\$0.1913	\$0.3962 (1/1/19) \$0.4792 (4/1/19)

III. ASSET FAMILY FRAMEWORK AND 2019 GT&S RATE CASE STRUCTURE

Like the 2015 GT&S Rate Case, the forecast for this case is structured around “asset families.” In order to help better manage its assets, PG&E established separate asset families within its Gas Operations business several years ago. The asset families addressed in this rate case include:

- (1) Transmission Pipe: This asset family includes the line pipe, valves and similar

appurtenances. The scope of work and forecast for this asset family are discussed in Chapter 5;

(2) Natural Gas Storage: This asset family includes measurement, controls, valves, transmission pipelines, and reservoirs and associated wells within the natural gas storage fields. The proposed work and cost forecasts for this asset family are discussed in Chapter 6;

(3) Compression and Processing: This asset family includes compressor stations and natural gas processing stations. The proposed scope of work and cost forecasts for this asset family are discussed in Chapter 7;

(4) Measurement and Control: This asset family includes assets that measure and control the flow of gas. The proposed work and cost forecasts for this asset family are discussed in Chapter 7.

In the accompanying testimony, PG&E presents its cost forecasts by asset families in Chapters 5 through 7. The remaining chapters with forecasted costs discuss programs that cross multiple asset families, including Corrosion Control (Chapter 8), Operations and Maintenance (Chapter 9), Gas System Operations (Chapter 10), Gas Operations Technology and Security (Chapter 12), and other GT&S Support (Chapter 13). Similar to the 2015 GT&S Rate Case, PG&E presents its costs by program, and by Major Work Category (MWC). Tables showing PG&E's 2019 GT&S Rate Case forecast, by chapter, program, and MWC, can be found in Chapter 3, "Summary of Request."

IV. OTHER MATTERS RELATED TO PG&E'S APPLICATION

A. Administrative and General Expenses

As explained in Chapter 15A, "Results of Operations," A&G expenses are of a general nature and are not directly chargeable to any specific utility function. Since A&G expenses are general in nature and benefit the entire utility, A&G expenses are first estimated in total and then allocated among PG&E's Unbundled Cost Categories (UCCs), using labor ratios. PG&E's GRC is the forum in which the Company's total amount of A&G expenses and its allocations to UCCs are determined. Litigating the total company A&G expenses in one regulatory proceeding

avoids duplicative efforts, and the potential for over- or under-recovery. The A&G expenses to be allocated to GT&S in 2019 are based primarily on the decision in PG&E's 2017 GRC, D. 17-05-013. PG&E has also added certain A&G costs that were not recovered as part of A&G in PG&E's 2017 GRC as a result of a change to the cost model (described further below), to avoid over- or under-recovery of these costs.

PG&E will file its 2020 GRC in 2018, and does not anticipate a final decision until late 2019 at the earliest. To maintain consistent recovery of A&G expenses between GRC rates and GT&S rates, PG&E proposes in this application that the A&G expenses included in the GT&S revenue requirement for the post-test years of 2020 and beyond serve as a placeholder only. PG&E proposes to update the A&G expense allocated to GT&S operations after the Commission issues a final decision in PG&E's 2020 GRC, via the Adjustment Mechanism for Costs Determined in Other Proceedings (AMCDOP) discussed further on page 9 of this Application. The Commission adopted this same approach for Gas Accord V in D.11-04-031, and the 2015 GT&S Rate Case in D.16-06-056. This approach maintains the GRC adopted amount at a level that reduces the potential for under- or over-recovery. The placeholder amount for A&G is based on the A&G expenses in PG&E's 2017 GRC escalated and adjusted for 2020 and beyond. This estimate excludes pension. The development of the A&G estimate is discussed in greater detail in Chapter 15A, "Results of Operations."

B. Pension

As adopted in D. 16-06-056, PG&E proposes to continue to address the pension forecast outside of this case as a separate line item in Gas Preliminary Statement Part C. PG&E proposes to implement this as part of the Annual Gas True-Up filing and by advice letter, as appropriate.

C. Post Test Year Ratemaking (Attrition)

PG&E seeks an attrition mechanism for 2020 and 2021 that increases the Company's authorized revenues to reflect increases in expenses to account for escalation of labor, and goods and services that PG&E needs to operate its business, as well as increases in capital costs due to

ongoing investments in infrastructure. PG&E proposes escalating the majority of 2019 operating expenses, with a specific forecast for the Storage WELL Rework program that requires significant spending in 2021 and 2022 associated with the implementation of anticipated new regulations. PG&E proposes that the capital-related revenue requirement increases in 2020 and 2021 be based on PG&E's bottom-up capital expenditures forecasts for 2017 through 2021, consistent with the methodology used in PG&E's 2015 GT&S Rate Case.

In addition, while PG&E does not formally propose a third attrition year in this application, PG&E has calculated a revenue requirement and rates for 2022, to provide additional information in the event the Commission decides to adopt a third attrition year. In the event the Commission decides to adopt a revenue requirement for 2022, PG&E proposes using a 3-year (2019-2021) capital spending average for non-storage costs. For storage costs, PG&E proposes escalating the 2021 capital forecast to 2022 to reflect cost increases for labor and non-labor materials. PG&E's post test year ratemaking proposal is discussed in greater detail in Chapter 17A, "Post Test-Year Ratemaking Proposal."

D. Depreciation Study

PG&E engaged a depreciation expert to study PG&E's GT&S plant additions, retirements and net salvage data, to review current depreciation parameters and rates, and to recommend changes to those parameters and rates for its GT&S plant as appropriate. The depreciation study is described in Chapter 14C, "Depreciation: Service Life and Net Salvage Estimates."

E. Changes to Core Gas Supply's Capacity Assignments

As in prior GT&S Rate Cases, PG&E's Core Gas Supply Department proposes changes in the capacity allocations for the core customers in PG&E's service area applicable for this GT&S Rate Case period, effective January 1, 2019. The proposed changes include inventory and withdrawal capacity adjustments of PG&E's Core Firm Gas Storage, a new request for firm gas storage from Independent Storage Providers, Redwood Path and Baja Path transmission

capacity adjustments, and a core gas supplier firm storage holding verification requirement. As a result of these changes, Core Gas Supply also proposes conforming changes to the Interstate Capacity Planning Range, the Incremental Core Gas Storage Decision, and the Core Procurement Incentive Mechanism (CPIM). These proposals are discussed further in Chapter 19, “Core Gas Supply.”

F. New Cost Model

PG&E uses the term “cost model” to refer to its methodology to gather and assign costs to PG&E’s programs and services. Since 1996, the Company has used a cost model based on establishing labor activity prices that included overhead costs such as benefits, payroll taxes, management, support, fleet services, information technology device fees, and building space, and other non-overhead direct costs. Each organization included all of those overhead costs in the activity price.

In 2016, the Company revised the way it tracks and records overhead costs, to give PG&E’s lines of business (LOB) and support organizations greater visibility into the costs under their direct control. In particular, PG&E changed its cost model to track overhead costs separately, and to have the providers of company-wide services (such as building, information technology, and fleet services) and LOB-specific management and support directly accountable for managing their service costs. Overhead costs are now budgeted and recorded through separate line items for expense programs. For capital jobs, overhead costs are allocated proportionally to the work.

This cost model change does not alter PG&E’s overall expenditures. It is instead a change in how PG&E tracks and records its costs to improve cost visibility and accountability, and is explained further in Chapter 20, “Cost Model Change.”

G. Balancing Accounts and Memorandum Accounts

In this 2019 GT&S Rate Case, PG&E proposes to: (1) continue certain balancing and memorandum accounts (in some cases with modifications); (2) eliminate some balancing and

memorandum accounts; and (3) create new balancing and memorandum accounts. PG&E is proposing to continue existing balancing accounts associated with:

- Transmission Integrity Management Program (TIMP): PG&E proposes a two-way balancing account for TIMP expense (instead of a one-way balancing account currently in place), and proposes to remove capital expenditures associated with making pipelines capable of In-Line Inspection.
- Gas Transmission and Storage Revenue Sharing Mechanism (GTSRM): PG&E proposes to continue the GTSRM that has been in place since 2011, but modify it as follows: (1) change the local transmission sharing percentages to 100 percent to customers for any over- or under-collections; (2) change the backbone transmission sharing percentages to 75 percent to customers and 25 percent to shareholders; (3) remove noncore storage from the mechanism; (4) eliminate the \$30 million seed value; and (5) change the timing of the annual transfer of the balance in the GTSRSM to December 31.
- AMCDOP: PG&E proposes to continue this account, which tracks differences in revenue requirements associated with costs determined in other proceedings, and the revenue requirements included in this filing that are based on placeholder costs.
- Z-Factor Memorandum Account: PG&E proposes continuation of this account, which tracks costs associated with potential exogenous and unforeseen events largely beyond PG&E's control that have a material impact on PG&E's costs.
- Tax Act Memorandum Account: PG&E proposes to continue this account to reflect any future extension of bonus depreciation that is not reflected in this GT&S Rate Case.

PG&E proposes discontinuing the following existing balancing and memorandum accounts established as part of the 2015 GT&S Rate Case:

- Work at the Request of Others (WRO) Balancing Account: PG&E proposes to

discontinue the one-way balancing account for WRO, because the nature of the work does not lend itself to a one-way balancing account.

- Engineering Critical Assessment Balancing Account: PG&E proposes discontinuing this one-way balancing account because PG&E is now able to exclude the costs to perform engineering critical assessments on components installed on or after January 1, 1956. Therefore, the account is no longer necessary.
- The following memorandum accounts that have outlived the purposes for which they were intended: Hydrostatic Pipeline Testing Memorandum Account, TIMP Memorandum Account, Hydrostatic Station Testing Memorandum Account, Critical Documents Program Memorandum Account, Tax Normalization Memorandum Account, Gas Transmission and Storage Memorandum Account, and the Line 407 Memorandum Account.

Finally, PG&E proposes one new balancing account, and one new memorandum account:

- Gas Storage Balancing Account: PG&E proposes a new, two-way Gas Storage Balancing Account to record the difference between adopted and actual expense and capital costs related to work at PG&E's storage fields.
- New Gas Statutes, Regulations, and Rules Memorandum Account: PG&E proposes this new account to allow it to track capital expenditures and expenses that are not forecast in this case, but are necessary to comply with new regulations.

V. ORGANIZATION OF PREPARED TESTIMONY

The accompanying Prepared Testimony addresses the following topics:

Chapter 1	Gas Transmission and Storage Policy
Chapter 2	Summary of 2019 GT&S Rate Case
Chapter 3	Summary of Request
Chapter 4	Safety, Risk and Planning
Chapter 5	Asset Family – Transmission Pipe
Chapter 6	Asset Family – Storage
Chapter 7	Asset Family – Facilities
Chapter 8	Corrosion Control
Chapter 9	Operations and Maintenance
Chapter 10	Gas System Operations
Chapter 11	Natural Gas Storage Strategy
Chapter 12	Gas Operations Technology and Security
Chapter 13	Other Gas Transmission and Storage Support
Chapter 14A	Plant and Rate Base
Chapter 14B	Depreciation Reserve and Expense
Chapter 14C	Depreciation: Service Life and Net Salvage Estimates
Chapter 15A	Results of Operations
Chapter 15B	Income and Property Taxes
Chapter 16A	Cost Allocation and Rate Design
Chapter 16B	Backbone Load Factor
Chapter 16C	Demand and Throughput Forecast
Chapter 17A	Post Test-Year Ratemaking Proposal
Chapter 17B	Cost Recovery- Balancing Accounts
Chapter 18	Cost Transport Agent Changes
Chapter 19	Core Gas Supply
Chapter 20	Cost Model Change

A more detailed listing of the subjects addressed in each part of the Prepared Testimony is set forth in the Table of Contents to the Prepared Testimony.

VI. WORKPAPERS

PG&E's witnesses have prepared workpapers supporting PG&E's testimony, which will be served concurrently with the filing of this Application. Consistent with prior practice, PG&E intends to request inclusion of the workpapers in the record of the 2019 GT&S Rate Case. Therefore, when the witnesses adopt their prepared and rebuttal testimony along with any other testimony that may be submitted, the witnesses will also sponsor and adopt their workpapers, if any.

VII. COMPLIANCE WITH THE COMMISSION'S RULES OF PRACTICE AND PROCEDURE

This section of the Application complies with the relevant statutory and procedural requirements for applications established by the Commission's rules.

A. Statutory Authority

PG&E files this Application pursuant to Sections 451, 454, 701, 702, 728, 729, and 795 of the Public Utilities Code, the Commission's Rules of Practice and Procedure, and D. 16-06-056.

B. Legal Name and Principal Place of Business – Rule 2.1(a)

The legal name of the Applicant is Pacific Gas and Electric Company. PG&E's principal place of business is San Francisco, California. Its post office address is Post Office Box 7442, San Francisco, California 94120.

C. Correspondence and Communication Regarding This Application – Rule 2.1.(b)

All correspondence and communications regarding this Application should be addressed to Kerry C. Klein and John B. Carruthers at the addresses listed below:

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D. Categorization – Rule 2.1(c)

PG&E proposes that this Application be categorized as a “ratesetting” proceeding.

E. Need for Hearing – Rule 2.1(c)

PG&E anticipates the need for hearings, and proposes a schedule in Section H, below.

F. Issues to be Considered - Rule 2.1(c)

The principal issues to be decided in this proceeding are whether:

1. The proposed revenue requirements for natural gas transmission and storage services for 2019 are just and reasonable and adequate for PG&E to safely and reliably operate and maintain its natural gas transmission and storage assets.
2. PG&E’s proposed post test year attrition adjustments for 2020 and 2021 are just and reasonable, and the Commission should authorize PG&E to implement the annual adjustments each year.
3. The proposed rates for gas transmission and storage services for 2019, 2020, and 2021 are just and reasonable.
4. If the Commission adopts a third post-test year, then the proposed revenue requirement and rates for 2022 are just and reasonable.
5. PG&E’s risk management process provides a reasonable framework for evaluating the reasonableness of PG&E’s forecast revenue requirements.
6. The proposed two-way balancing account for Transmission Integrity Management expense costs should be adopted.
7. The Commission should adopt the proposed New Gas Statutes, Regulations, and Rules Memorandum Account to allow PG&E to track capital expenditures and expenses that are not forecast in this case, but are necessary to comply with anticipated new regulations.
8. The one-way balancing account for Work Required by Others should be discontinued.
9. The proposed two-way Gas Storage Balancing Account should be adopted.
10. PG&E’s Natural Gas Storage Strategy should be approved by the Commission,

including but not limited to the following elements: (a) conversion of Los Medanos and Pleasant Creek to production facilities in November 2019; (b) allocation of decommissioning and depreciation costs to core and noncore customers through end-use rates; (c) allocation of storage capacity in the amounts proposed by PG&E; and (d) the reasonableness of the Gill Ranch Storage costs to be included in rates.

11. The Memorandum of Understanding attached to Chapter 11 should be adopted.

12. The one-way balancing account for Engineering Critical Assessment Phase 1 and Phase 2 should be discontinued.

13. The costs to replace electrically contacted cased crossings in the rate case period are recoverable from ratepayers and not subject to a 19 percent disallowance.

14. The Commission should conduct a reasonableness review of the costs for Line 407 in a Phase 2 of this proceeding, based upon a submission by PG&E in the first quarter of 2018 that includes recorded cost data. If any small amounts remain unrecorded at the time Phase 2 begins, the Commission should include the remaining forecast costs into the reasonableness review.

15. PG&E's cost allocation and rate design proposals are just and reasonable.

16. Allocating local transmission costs based on an average of cold year and average year forecast, winter season demands, is reasonable.

17. PG&E's proposed \$0.04 differential between Redwood and Baja path rates is reasonable and should be adopted.

18. The Gas Transmission and Storage Revenue Sharing Mechanism should be modified to: (1) allocate 100 percent of noncore local transmission over- and under-collections to customers; (2) change the sharing of noncore backbone and core backbone usage over- and under-collections to 75 percent to customers and 25 percent to shareholders; (3) remove noncore storage from the GTSRSM; (4) eliminate the \$30 million "seed value;" and (5) change the timing of the annual transfer of the balance in the GTSRSM to December 31.

19. PG&E's proposal to adjust for the difference between the costs filed in this Application and the costs ultimately adopted in certain separate proceedings should be adopted.
20. The forecast of plant and rate base should be approved.
21. The forecast of depreciation reserve and expense and accompanying depreciation parameters and rates should be approved.
22. PG&E's throughput and demand forecasts described in Chapter 16C are reasonable and should be adopted.
23. Core Gas Supply's proposal to alter its inventory and withdrawal capacity adjustments, request for firm gas storage from Independent Storage Providers, Redwood Path and Baja Path transmission capacity adjustments, a core gas supplier firm storage holding verification requirement, and conforming changes to the Interstate Capacity Planning Range, the Incremental Core Gas Storage Decision, and the Core Procurement Incentive Mechanism (CPIM), are reasonable and should be adopted.
24. PG&E complied with Section 3.2.8.4 of PG&E's 2017 GRC Settlement.
25. The Z-Factor Memorandum Account should continue.
26. The Tax Act Memorandum Account should continue.
27. The following memorandum accounts should be closed: Hydrostatic Pipeline Testing Memorandum Account, TIMP Memorandum Account, Hydrostatic Station Testing Memorandum Account, Critical Documents Program Memorandum Account, Tax Normalization Memorandum Account, Gas Transmission and Storage Memorandum Account, and the Line 407 Memorandum Account.

G. Safety – Rule 2.1(c)

In D.16-01-017, the Commission adopted an amendment to Rule 2.1(c) requiring utilities' applications to state "relevant safety considerations." PG&E has considered safety in connection with this 2019 GT&S Application, and each witness addresses how safety considerations influenced the proposed scope of work.

H. Proposed Schedule – Rule 2.1(c)

PG&E proposes the following procedural schedule. Unlike prior GT&S rate cases, PG&E proposes that ORA serve its testimony before the intervenors, following the convention adopted for utilities' GRCs in the Rate Case Plan.

PG&E's Application	November 17, 2017
Informal Workshop	December 6, 2017
Protests to Application	Per Rule 2.6(a)
Reply to Protests	Per Rule 2.6(e)
Prehearing Conference	By January 15, 2018
ORA Opening Testimony	May 4, 2018
Intervenor Testimony	May 28, 2018
Public Participation Hearings	May/June 2018
Settlement Discussions	May-July 2018
Concurrent Rebuttal Testimony	July 9, 2018
Evidentiary Hearing Begins	July 16, 2018
Evidentiary Hearing Ends	August 3, 2018
Opening Brief	September 4, 2018
Reply Brief	September 24, 2018
Proposed Decision	January 2019
Final Decision	February 2019

PG&E is committed to doing what it can to expedite this proceeding. To that end, PG&E has included in the above schedule an informal workshop organized by the Commission's Energy Division that will be open to all parties, prior to the date that parties' protests are due. At this workshop, PG&E will provide parties with a roadmap of the filing, summarize the contents of testimony and workpapers, and answer questions. PG&E is aware that there are other significant energy proceedings competing for Commission and intervenor resources. PG&E is committed to working with the parties to develop a schedule for this case that takes into account competing demands for time. PG&E plans to discuss the proposed schedule with the other parties at the informal workshop with a goal of jointly proposing a schedule at the pre-hearing conference, and PG&E's plan to file a request for a Commission order making GT&S 2019 revenue requirements effective January 1, 2019.

I. Organization and Qualification to Transact Business – Rule 2.2

PG&E is, and since October 10, 1905, has been, an operating public utility corporation organized under California law. It is engaged principally in the business of furnishing electric and gas services in California. A certified copy of PG&E's Restated Articles of Incorporation, effective April 12, 2004, is on record before the Commission in connection with PG&E's Application (A.) 04-05-005, filed with the Commission on May 3, 2004. These articles are incorporated herein by reference pursuant to Commission Rule of Practice and Procedure 2.2.

J. Balance Sheet and Income Statement – Rule 3.2(a)(1)

PG&E's balance sheet and income statement for the three months and nine months ended September 30, 2017, are contained in Exhibit A of this Application.

K. Statement of Presently Effective Rates – Rule 3.2(a)(2)

The presently effective gas rates PG&E proposes to modify are set forth in Exhibit B of this Application.

L. Statement of Proposed Changes and Results of Operations at Proposed Rates - Rule 3.2(a)(3)

The proposed changes and the Results of Operations at Proposed Rates are set forth in Exhibits C and D of this Application.

M. General Description of PG&E's Gas Department Plant - Rule 3.2(a)(4)

A general description of PG&E's Gas Department properties, their original cost, and the depreciation reserve applicable to these properties was filed with the Commission on September 1, 2015, as Exhibit E to PG&E's 2017 GRC Phase 1 Application, A.15-09-001, and is incorporated by reference herein.

N. Summary of Earnings - Rules 3.2(a)(5) and 3.2(a)(6)

A summary of recorded 2016 revenues, expenses, rate base and rate of return for total utility operations was filed with the Commission on September 14, 2017, in A.17-09-006, and is incorporated by reference herein.

O. Statement of Election of Method of Computing Depreciation Deduction for Federal Income Tax - Rule 3.2(a)(7)

A statement of the method of computing the depreciation deduction for federal income tax purposes was filed with the Commission on September 1, 2015, in A.15-09-001, and is incorporated herein by reference.

P. Most Recent Proxy Statement - Rule 3.2(a)(8)

PG&E's most recent proxy statement dated April 18, 2017, was filed with the Commission in A.17-06-005 on June 1, 2017. This proxy statement is incorporated herein by reference.

Q. Type of Rate Change Requested - Rule 3.2(a)(10)

The rate changes proposed in this Application reflect changes in PG&E's base revenues to reflect the costs PG&E incurs to own, operate and maintain its natural gas transmission and storage facilities and to enable PG&E to provide adequate gas transmission and storage services to its customers.

R. Notice and Service of Application - Rule 3.2(b)-(d)

Within twenty (20) days from the date of filing, PG&E will publish in newspapers of general circulation in each county in its service territory a notice of filing this Application, and will mail a notice describing this Application to the Attorney General of California, the Department of General Services, and the city and county governments within PG&E's service territory. A list of the cities and counties to which the Notice will be sent is attached to this Application as Exhibit E. A similar notice will be included in the regular bills mailed to PG&E's customers within forty-five (45) days of the filing date of this Application.

Because this is a new Application, a service list has not yet been established. However, PG&E will use the service list from PG&E's 2015 GT&S Rate Case (A.13-12-012; I.14-06-016) as the initial service list for this case. A copy of this service list is attached hereto as Exhibit F. PG&E will serve an electronic transmittal that provides a link to the website location of this Application and exhibits. In addition, a Notice of Availability of the Application and exhibits,

testimony and workpapers will be served in accordance with Rule 1.9(d) of the Commission's Rules of Practice and Procedure.

S. Exhibit List and Statement of Readiness

PG&E is ready to proceed with this case based on the testimony of witnesses regarding the facts and data contained in the accompanying exhibits in support of the revenue request set forth in this Application. A list of the exhibits to this Application precedes the exhibits, and a detailed description of the prepared Testimony accompanying this Application is contained in the Table of Contents to the separate volume of prepared Testimony supporting this Application.

VIII. REQUEST FOR COMMISSION ORDERS

PG&E respectfully requests that the Commission find that:

1. The proposed revenue requirements for natural gas transmission and storage services for 2019 are just and reasonable and adequate for PG&E to safely and reliably operate and maintain its natural gas transmission and storage assets.
2. PG&E's proposed post test year attrition adjustments for 2020 and 2021 are just and reasonable, and the Commission should authorize PG&E to implement the annual adjustments each year.
3. The proposed rates for gas transmission and storage services for 2019, 2020, and 2021 are just and reasonable.
4. If the Commission adopts a third post-test year, then the proposed revenue requirement and rates for 2022 are just and reasonable.
5. PG&E's risk management process provides a reasonable framework for evaluating the reasonableness of PG&E's forecast revenue requirements.
6. The proposed two-way balancing account for Transmission Integrity Management expense costs should be adopted.
7. The Commission should adopt the proposed New Gas Statutes, Regulations, and Rules Memorandum Account to allow PG&E to track capital expenditures and expenses that are

not forecast in this case, but are necessary to comply with anticipated new regulations.

8. The one-way balancing account for Work Required by Others should be discontinued.

9. The proposed two-way Gas Storage Balancing Account should be adopted.

10. PG&E's Natural Gas Storage Strategy should be approved by the Commission, including but not limited to the following elements: (a) conversion of Los Medanos and Pleasant Creek to production facilities in November 2019; (b) allocation of decommissioning and depreciation costs to core and noncore customers through end-use rates; (c) allocation of storage capacity in the amounts proposed by PG&E; and (d) the reasonableness of the Gill Ranch Storage costs to be included in rates.

11. The Memorandum of Understanding attached to Chapter 11 should be adopted.

12. The one-way balancing account for Engineering Critical Assessment Phase 1 and Phase 2 should be discontinued.

13. The costs to replace electrically contacted cased crossings in the rate case period are recoverable from ratepayers and not subject to a 19 percent disallowance.

14. The Commission should conduct a reasonableness review of the costs for Line 407 in a Phase 2 of this proceeding, based upon a submission by PG&E in the first quarter of 2018 that includes recorded cost data. If any small amounts remain unrecorded at the time Phase 2 begins, the Commission should include the remaining forecast costs into the reasonableness review.

15. PG&E's cost allocation and rate design proposals are just and reasonable.

16. Allocating local transmission costs based on an average of cold year and average year forecast, winter season demands, is reasonable.

17. PG&E's proposed \$0.04 differential between Redwood and Baja path rates is reasonable and should be adopted.

18. The Gas Transmission and Storage Revenue Sharing Mechanism should be modified to: (1) allocate 100 percent of noncore local transmission over- and under-collections

to customers; (2) change the sharing of noncore backbone and core backbone usage over- and under-collections to 75 percent to customers and 25 percent to shareholders; (3) remove noncore storage from the GTSRSM; (4) eliminate the \$30 million “seed value;” and (5) change the timing of the annual transfer of the balance in the GTSRSM to December 31.

19. PG&E’s proposal to adjust for the difference between the costs filed in this Application and the costs ultimately adopted in certain separate proceedings should be adopted.

20. The forecast of plant and rate base should be approved.

21. The forecast of depreciation reserve and expense and accompanying depreciation parameters and rates should be approved.

22. PG&E’s throughput and demand forecasts described in Chapter 16C are reasonable and should be adopted.

23. Core Gas Supply’s proposal to alter its inventory and withdrawal capacity adjustments, request for firm gas storage from Independent Storage Providers, Redwood Path and Baja Path transmission capacity adjustments, a core gas supplier firm storage holding verification requirement, and conforming changes to the Interstate Capacity Planning Range, the Incremental Core Gas Storage Decision, and the Core Procurement Incentive Mechanism (CPIM), are reasonable and should be adopted.

24. PG&E complied with Section 3.2.8.4 of PG&E’s 2017 GRC Settlement.

25. The Z-Factor Memorandum Account should continue.

26. The Tax Act Memorandum Account should continue.

27. The following memorandum accounts should be closed: Hydrostatic Pipeline Testing Memorandum Account, TIMP Memorandum Account, Hydrostatic Station Testing Memorandum Account, Critical Documents Program Memorandum Account, Tax Normalization Memorandum Account, Gas Transmission and Storage Memorandum Account, and the Line 407 Memorandum Account.

PG&E further requests that the Commission grant such further relief as the Commission may deem proper.

Respectfully Submitted,

KERRY C. KLEIN
ERICH LICHTBLAU

By: /s/Kerry C. Klein
KERRY C. KLEIN

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Attorneys for
PACIFIC GAS AND ELECTRIC COMPANY

Dated: November 17, 2017

VERIFICATION

I, the undersigned, state:

I am an officer of PACIFIC GAS AND ELECTRIC COMPANY, a California corporation, and am authorized to make this verification for and on behalf of said corporation, and I make this verification for that reason. I have read the foregoing pleading and I am informed and believe the matters therein are true and on that ground I allege that the matters stated therein are true.

I declare under penalty of perjury under the laws of the state of California that the foregoing is true and correct.

Executed at San Francisco, California, on November 17, 2017.

/s/Jesus Soto

JESUS SOTO

Senior Vice President, Gas Operations
Pacific Gas And Electric Company

EXHIBITS TABLE OF CONTENTS

EXHIBIT NO.	TITLE
A	Balance Sheet and Income Statement
B	Statement of Presently Effective Rates
C	Statement of Proposed Changes
D	Results of Operations at Proposed Rates
E	Service to Cities and Counties
F	Consolidated Service List A.13-12-012 /I.14-06-016

EXHIBIT A

Balance Sheet and Income Statement

PACIFIC GAS AND ELECTRIC COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF INCOME

(in millions)	(Unaudited)			
	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2017	2016	2017	2016
Operating Revenues				
Electric	\$ 3,647	\$ 3,993	\$ 10,038	\$ 10,590
Natural gas	869	816	2,999	2,363
Total operating revenues	4,516	4,809	13,037	12,953
Operating Expenses				
Cost of electricity	1,466	1,613	3,436	3,719
Cost of natural gas	78	80	524	377
Operating and maintenance	1,428	1,782	4,477	5,630
Depreciation, amortization, and decommissioning	710	694	2,134	2,090
Total operating expenses	3,682	4,169	10,571	11,816
Operating Income	834	640	2,466	1,137
Interest income	10	8	22	16
Interest expense	(217)	(209)	(655)	(614)
Other income, net	24	23	52	68
Income Before Income Taxes	651	462	1,885	607
Income tax provision (benefit)	138	73	394	(99)
Net Income	513	389	1,491	706
Preferred stock dividend requirement	3	3	10	10
Income Available for Common Stock	\$ 510	\$ 386	\$ 1,481	\$ 696

See accompanying Notes to the Condensed Consolidated Financial Statements.

PACIFIC GAS AND ELECTRIC COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(in millions)	(Unaudited)			
	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2017	2016	2017	2016
Net Income	\$ 513	\$ 389	\$ 1,491	\$ 706
Other Comprehensive Income				
Pension and other postretirement benefit plans obligations (net of taxes of \$0, \$0, \$0 and \$0, at respective dates)	-	-	1	1
Total other comprehensive income (loss)	-	-	1	1
Comprehensive Income	\$ 513	\$ 389	\$ 1,492	\$ 707

See accompanying Notes to the Condensed Consolidated Financial Statements.

PACIFIC GAS AND ELECTRIC COMPANY
CONDENSED CONSOLIDATED BALANCE SHEETS

(in millions)	(Unaudited)	
	Balance At	
	September 30, 2017	December 31, 2016
ASSETS		
Current Assets		
Cash and cash equivalents	\$ 70	\$ 71
Restricted cash	7	7
Accounts receivable:		
Customers (net of allowance for doubtful accounts of \$58 at both periods)	1,368	1,252
Accrued unbilled revenue	972	1,098
Regulatory balancing accounts	1,478	1,500
Other	992	801
Regulatory assets	573	423
Inventories:		
Gas stored underground and fuel oil	138	117
Materials and supplies	360	346
Income taxes receivable	24	159
Other	279	282
Total current assets	6,261	6,056
Property, Plant, and Equipment		
Electric	54,148	52,556
Gas	18,938	17,853
Construction work in progress	2,421	2,184
Total property, plant, and equipment	75,507	72,593
Accumulated depreciation	(22,984)	(22,012)
Net property, plant, and equipment	52,523	50,581
Other Noncurrent Assets		
Regulatory assets	8,546	7,951
Nuclear decommissioning trusts	2,793	2,606
Income taxes receivable	52	70
Other	1,104	1,110
Total other noncurrent assets	12,495	11,737
TOTAL ASSETS	\$ 71,279	\$ 68,374

See accompanying Notes to the Condensed Consolidated Financial Statements.

PACIFIC GAS AND ELECTRIC COMPANY
CONDENSED CONSOLIDATED BALANCE SHEETS

(in millions, except share amounts)	(Unaudited)	
	Balance At	
	September 30, 2017	December 31, 2016
LIABILITIES AND SHAREHOLDERS' EQUITY		
Current Liabilities		
Short-term borrowings	\$ 869	\$ 1,516
Long-term debt, classified as current	700	700
Accounts payable:		
Trade creditors	1,419	1,494
Regulatory balancing accounts	1,328	645
Other	502	453
Disputed claims and customer refunds	240	236
Interest payable	163	214
Other	1,999	2,072
Total current liabilities	7,220	7,330
Noncurrent Liabilities		
Long-term debt	16,270	15,872
Regulatory liabilities	7,265	6,805
Pension and other postretirement benefits	2,612	2,548
Asset retirement obligations	4,758	4,684
Deferred income taxes	11,377	10,510
Other	2,279	2,230
Total noncurrent liabilities	44,561	42,649
Commitments and Contingencies (Note 9)		
Shareholders' Equity		
Preferred stock	258	258
Common stock, \$5 par value, authorized 800,000,000 shares; 264,374,809 shares outstanding at respective dates	1,322	1,322
Additional paid-in capital	8,455	8,050
Reinvested earnings	9,460	8,763
Accumulated other comprehensive income	3	2
Total shareholders' equity	19,498	18,395
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$ 71,279	\$ 68,374

See accompanying Notes to the Condensed Consolidated Financial Statements.

EXHIBIT B

Statement of Presently Effective Rates

PACIFIC GAS AND ELECTRIC COMPANY

COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2017 (1)	Average Rate No PPP	7/1/2017 (2)	% Chg from Jan 1, 2017	Average Rate No PPP	% Chg from Jan 1, 2017
Comparison of Core Schedules:						
Residential (G-I, GM, GS, GT)						
Transportation Charge (\$/Therm)						
Tier 1	\$0.88798	\$1.08988	\$0.88566	-0.26%	\$1.08703	-0.3% Avg. Summer (Apr-Oct)
Tier 2	\$1.42077	\$1.06273	\$1.41705	-0.26%	\$1.05995	-0.3% Avg. Winter (Jan-Mar, Nov-Dec)
Average Rate from RTP		\$1.07496			\$1.07216	-0.3% Avg. Annual
Residential Natural Gas Vehicle (GI-NGV)						
Customer Charge	\$0.41425		\$0.41425	0.00%		
Transportation Charge (\$/therm) implemented 2/1/06	\$0.61521		\$0.61370	-0.25%		
Small Commercial (G-NRI)						
Customer Charge 0 - 5.0 therms (\$/day)	\$0.27048		\$0.27048	0.00%		
Customer Charge 5.1 - 16.0 therms (\$/day)	\$0.52106		\$0.52106	0.00%		
Customer Charge 16.1 - 41.0 therms (\$/day)	\$0.95482		\$0.95482	0.00%		
Customer Charge 41.1 - 123.0 therms (\$/day)	\$1.66489		\$1.66489	0.00%		
Customer Charge >123.1 therms (\$/day)	\$2.14936		\$2.14936	0.00%		
Transportation Charge (\$/Therm)						
Summer (1st 4,000)	\$0.60000	\$0.64125	\$0.59904	-0.16%	\$0.64048	-0.1% Avg. Summer
Summer (Excess)	\$0.34468		\$0.34501	0.10%		
Winter (1st 4,000)	\$0.71086	\$0.70523	\$0.70922	-0.23%	\$0.70388	-0.2% Avg. Winter
Winter (Excess)	\$0.40836	\$0.67736	\$0.40847	0.03%	\$0.67626	-0.2% Avg. Annual
Large Commercial (G-NR2)						
Customer Charge (\$/Day)	\$4.95518		\$4.95518	0.00%		
Transportation Charge (\$/Therm)						
Summer (1st 4,000)	\$0.60000	\$0.37627	\$0.59904	-0.16%	\$0.37647	0.1% Avg. Summer
Summer (Excess)	\$0.34468		\$0.34501	0.10%		
Winter (1st 4,000)	\$0.71086	\$0.44095	\$0.70922	-0.23%	\$0.44095	0.0% Avg. Winter
Winter (Excess)	\$0.40836		\$0.40847	0.03%		
		\$0.40332			\$0.40332	0.0% Avg. Annual
Residential Transport-Only (G-CT)						
Transportation Charge (\$/Therm)						
Tier 1	\$0.88798		\$0.88566	-0.26%		
Tier 2	\$1.42077		\$1.41705	-0.26%		
Small Commercial Transport-Only (G-CT)						
Transportation Charge (\$/Therm)						
Summer (1st 4,000)	\$0.60000		\$0.59904	-0.16%		
Summer (Excess)	\$0.34468		\$0.34501	0.10%		
Winter (1st 4,000)	\$0.71086		\$0.70922	-0.23%		
Winter (Excess)	\$0.40836		\$0.40847	0.03%		
Large Commercial Transport-Only (G-CT)						
Transportation Charge (\$/Therm)						
Summer (1st 4,000)	\$0.60000		\$0.59904	-0.16%		
Summer (Excess)	\$0.34468		\$0.34501	0.10%		
Winter (1st 4,000)	\$0.71086		\$0.70922	-0.23%		
Winter (Excess)	\$0.40836		\$0.40847	0.03%		
Natural Gas Vehicle - Uncompressed (G-NGV1)						
Customer Charge (\$/Day)	\$0.44121		\$0.44121	0.00%		
Transportation Charge (\$/Therm)	\$0.32183	\$0.32302	\$0.32228	0.14%	\$0.32347	0.1%
Natural Gas Vehicle - Compressed (G-NGV2)						
Customer Charge (\$/Day)	\$0.00		\$0.00	0.00%		
Transportation Charge (\$/Therm)	\$1.78241	\$1.78241	\$1.78904	0.37%	\$1.78904	0.4%
G-PPP CORE CUSTOMERS						
Residential Non-Care	\$0.09589		\$0.09589	0.00%		
Residential CARE	\$0.06743		\$0.06743	0.00%		
Small Commercial	\$0.04672		\$0.04672	0.00%		
Large Commercial	\$0.09751		\$0.09751	0.00%		
Natural Gas Vehicle	\$0.03098		\$0.03098	0.00%		

Notes:

- Rates are based on 1/1/2017 - Annual Gas True-Up including the 2015 GT&S Rate Case Phase 2 Decision 16-12-010; implemented with AL 3788-G for Gas Accord Unbundled Tariffs; AL 3791-G for noncore tariffs; AL 3793-G for core tariffs; and AL 3778-G for Public Purpose Program Surcharge.
- Rates are based on 7/1/2017 - Implementation of the 2017 GRC Decision 17-05-013 and Revising the Self Generation Incentive Program Pursuant to Assembly Bill 1637 D. 17-04-017.

PACIFIC GAS AND ELECTRIC COMPANY

COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2017 (1)	Average Rate No PPP	7/1/2017 (2)	% Chg from Jan 1, 2017	Average Rate No PPP	% Chg from Jan 1, 2017
Comparison of Noncore Schedules						
Industrial (G-NT)						
<u>Customer Access Charge (\$/Day)</u>						
0 to 5,000 therms	\$1.16285		\$1.16285	0.0%		
5,001 to 10,000 therms	\$3.46422		\$3.46422	0.0%		
10,001 to 50,000 therms	\$6.44745		\$6.44745	0.0%		
50,001 to 200,000 therms	\$8.46148		\$8.46148	0.0%		
200,001 to 1,000,000 therms	\$12.27682		\$12.27682	0.0%		
1,000,001 therms and above	\$104.13995		\$104.13995	0.0%		
<u>Transportation Charge (\$/Therm)</u>						
Backbone	0.00879	\$0.00957	0.00965	9.78%	\$0.01043	9.0%
Transmission	\$0.11143	\$0.11240	\$0.11225	0.74%	\$0.11322	0.7%
Distribution (Summer) Tier 1	\$0.30621	\$0.25106	\$0.30614	-0.02%	\$0.25126	0.1%
Distribution (Summer) Tier 2	\$0.22956		\$0.22984	0.12%		
Distribution (Summer) Tier 3	\$0.21390		\$0.21425	0.16%		
Distribution (Summer) Tier 4	\$0.20165		\$0.20206	0.20%		
Distribution (Summer) Tier 5	\$0.11143		\$0.11225	0.74%		
Distribution (Winter) Tier 1	\$0.38022		\$0.37982	-0.11%		
Distribution (Winter) Tier 2	\$0.27674		\$0.27680	0.02%		
Distribution (Winter) Tier 3	\$0.25560		\$0.25576	0.06%		
Distribution (Winter) Tier 4	\$0.23907		\$0.23930	0.10%		
Distribution (Winter) Tier 5	\$0.11143		\$0.11225	0.74%		
G-PPP Noncore Customers						
Backbone/Transmission	\$0.03717		\$0.03717	0.00%		
Distribution	\$0.04658		\$0.04658	0.00%		
Electric Generation G-EG						
<u>Transportation Charge:</u>						
Backbone Transportation Charge (\$/therm)	0.00782	\$0.00802	0.00868	11.00%	\$0.00887	10.7%
Distribution/Transmission Charge (\$/Therm)	\$0.10153	\$0.10219	\$0.10240	0.86%	\$0.10306	0.9%
Wholesale G-WSL						
<u>Customer Access Charge (\$/Day)</u>						
Palo Alto	\$82.12504		\$82.12504	0.00%		
Coalinga	\$24.63058		\$24.63058	0.00%		
West Coast Gas-Mather	\$13.07540		\$13.07540	0.00%		
West Coast Gas - Castle	\$14.30795		\$14.30795	0.00%		
Island Energy	\$16.68855		\$16.68855	0.00%		
Alpine Natural Gas	\$5.56932		\$5.56932	0.00%		
<u>Transportation Charge (\$/Therm)</u>						
Palo Alto	\$0.09701	\$0.09798	\$0.09699	-0.02%	\$0.09796	0.0%
Coalinga	\$0.09701	\$0.10068	\$0.09699	-0.02%	\$0.10066	0.0%
West Coast Gas - Mather (Transmission)	\$0.09701	\$0.10177	\$0.09699	-0.02%	\$0.10175	0.0%
West Coast Gas - Mather (Distribution)	\$0.33542	\$0.34019	\$0.33434	-0.32%	\$0.33911	-0.3%
West Coast Gas - Castle (Distribution)	\$0.27706	\$0.28529	\$0.27624	-0.30%	\$0.28447	-0.3%
Island Energy	\$0.09701	\$0.11237	\$0.09699	-0.02%	\$0.11235	0.0%
Alpine Natural Gas	\$0.09701	\$0.10034	\$0.09699	-0.02%	\$0.10032	0.0%
Natural Gas Vehicle - Uncompressed (G-NGV4)						
<u>Customer Access Charge (\$/Day)</u>						
0 to 5,000 therms	\$1.16285		\$1.16285	0.0%		
5,001 to 10,000 therms	\$3.46422		\$3.46422	0.0%		
10,001 to 50,000 therms	\$6.44745		\$6.44745	0.0%		
50,001 to 200,000 therms	\$8.46148		\$8.46148	0.0%		
200,001 to 1,000,000 therms	\$12.27682		\$12.27682	0.0%		
1,000,001 therms and above	\$104.13995		\$104.13995	0.0%		
<u>Transportation Charge (\$/Therm)</u>						
Transmission	\$0.10250	\$0.10347	\$0.10337	0.85%	\$0.10434	0.8%
Distribution (Summer) Tier 1	\$0.30621	\$0.25106	\$0.30614	-0.02%	\$0.25126	0.1%
Distribution (Summer) Tier 2	\$0.22956		\$0.22984	0.12%		
Distribution (Summer) Tier 3	\$0.21390		\$0.21425	0.16%		
Distribution (Summer) Tier 4	\$0.20165		\$0.20206	0.20%		
Distribution (Summer) Tier 5	\$0.10250		\$0.10337	0.85%		
Distribution (Winter) Tier 1	\$0.38022		\$0.37982	-0.11%		
Distribution (Winter) Tier 2	\$0.27674		\$0.27680	0.02%		
Distribution (Winter) Tier 3	\$0.25560		\$0.25576	0.06%		
Distribution (Winter) Tier 4	\$0.23907		\$0.23930	0.10%		
Distribution (Winter) Tier 5	\$0.10250		\$0.10337	0.85%		
Liquefied Natural Gas (G-LNG)	\$0.24049		\$0.24081	0.13%		
G-PPP Natural Gas Vehicle/Liquid Natural Gas	\$0.03098		\$0.03098	0.00%		

Notes:

- 1) Rates are based on 1/1/2017 - Annual Gas True-Up including the 2015 GT&S Rate Case Phase 2 Decision 16-12-010; implemented with AL 3788-G for Gas Accord Unbundled Tariffs; AL 3791-G for noncore tariffs;
- 2) Rates are based on 7/1/2017 - Implementation of the 2017 GRC Decision 17-05-013 and Revising the Self Generation Incentive Program Pursuant to Assembly Bill 1637 D. 17-04-017.

PACIFIC GAS AND ELECTRIC COMPANY

COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2017 (1)	Average Rate No PPP	7/1/2017 (2)	% Chg from Jan 1, 2017	Average Rate No PPP	% Chg from Jan 1, 2017
Comparison of Gas Accord Tariffs						
Gas Schedule G-AA	1/1/2017 (1)		7/1/2017 (2)	% Chg From 1/1/17		% Chg From 1/1/17
Path	Usage Rate		Usage Rate			
Redwood to On-System (Per Dth)	\$0.5028		\$0.5028	0.00%		
Baja to On-System (Per Dth)	\$0.5508		\$0.5508	0.00%		
Silverado to On-System (Per Dth)	\$0.3133		\$0.3133	0.00%		
Mission to On-System (Per Dth)	\$0.0000		\$0.0000	0.00%		
Gas Schedule G-AAOFF						
Path	Usage Rate		Usage Rate			
Redwood to Off-System (Per Dth)	\$0.5028		\$0.5028	0.00%		
Baja to Off-System (Per Dth)	\$0.5508		\$0.5508	0.00%		
Silverado to Off-System (Per Dth)	\$0.5028		\$0.5028	0.00%		
Mission to Off-System (Per Dth)	\$0.5028		\$0.5028	0.00%		
Mission to Off-System Storage Withdrawals (Per Dth)	\$0.0000		\$0.0000	0.00%		
Gas Schedule G-AFT						
	Reservation Rate		Reservation Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$9.6105	\$12.7181	\$9.6105	0.00%	\$12.7181	0.00%
Redwood to On-System Core Procurement Groups Only (Per Dth)	\$8.6119	\$10.8639	\$8.6119	0.00%	\$10.8639	0.00%
Baja to On-System (Per Dth)	\$10.5279	\$13.9322	\$10.5279	0.00%	\$13.9322	0.00%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$9.5737	\$12.0773	\$9.5737	0.00%	\$12.0773	0.00%
Silverado to On-System (Per Dth)	\$6.0571	\$7.9195	\$6.0571	0.00%	\$7.9195	0.00%
Mission to On-System (Per Dth)	\$6.0571	\$7.9195	\$6.0571	0.00%	\$7.9195	0.00%
	Usage Rate		Usage Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$0.1031	\$0.0009	\$0.1031	0.00%	\$0.0009	0.00%
Redwood to On-System Core Procurement Groups Only (Per Dth)	\$0.0750	\$0.0010	\$0.0750	0.00%	\$0.0010	0.00%
Baja to On-System (Per Dth)	\$0.1129	\$0.0010	\$0.1129	0.00%	\$0.0010	0.00%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$0.0834	\$0.0011	\$0.0834	0.00%	\$0.0011	0.00%
Silverado to On-System (Per Dth)	\$0.0620	\$0.0007	\$0.0620	0.00%	\$0.0007	0.00%
Mission to On-System (Per Dth)	\$0.0620	\$0.0007	\$0.0620	0.00%	\$0.0007	0.00%
Mission to On-System Storage Withdrawals (Conversion option from Firm ON-System Rewood or Baja Path only)	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0.0000	0.00%
Gas Schedule G-AFTOFF						
	Reservation Rate		Reservation Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to Off-System (Per Dth)	\$9.6105	\$12.7181	\$9.6105	0.00%	\$12.7181	0.00%
Baja to Off-System (Per Dth)	\$10.5279	\$13.9322	\$10.5279	0.00%	\$13.9322	0.00%
Silverado to Off-System (Per Dth)	\$9.6105	\$12.7181	\$9.6105	0.00%	\$12.7181	0.00%
Mission to Off-System (Per Dth)	\$9.6105	\$12.7181	\$9.6105	0.00%	\$12.7181	0.00%
	Usage Rate		Usage Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to Off-System (Per Dth)	\$0.1031	\$0.0009	\$0.1031	0.00%	\$0.0009	0.00%
Baja to Off-System (Per Dth)	\$0.1129	\$0.0010	\$0.1129	0.00%	\$0.0010	0.00%
Silverado to Off-System (Per Dth)	\$0.1031	\$0.0009	\$0.1031	0.00%	\$0.0009	0.00%
Mission to Off-System (Per Dth)	\$0.1031	\$0.0009	\$0.1031	0.00%	\$0.0009	0.00%
Gas Schedule G-BAL						
Self-Balancing Credit Paragraph Section	\$0.0195		\$0.0195	0.00%		
Gas Schedule G-CFS						
Reservation Charge per Dth per month	\$0.1860		\$0.1860	0.00%		
Gas Schedule G-LEND						
Minimum Rate (per transaction)	\$57.00		\$57.00	0.00%		
Maximum Rate (per Dth per day)	\$1.1942		\$1.1942	0.00%		
Gas Schedule G-NAS						
Injection Maximum Rates (Per Dth/Day)	\$5.8437		\$5.8437	0.00%		
Withdrawal Maximum Rates (Per Dth/Day)	\$26.7122		\$26.7122	0.00%		
Gas Schedule G-NFS						
Injection Maximum Rates (Per Dth/Day)	\$5.8437		\$5.8437	0.00%		
Inventory (Per Dth)	\$3.6287		\$3.6287	0.00%		
Withdrawal Maximum Rates (Per Dth/Day)	\$26.7122		\$26.7122	0.00%		
Gas Schedule G-PARK						
Minimum Rate (per transaction)	\$57.00		\$57.00	0.00%		
Maximum Rate (per Dth per day)	\$1.1942		\$1.1942	0.00%		
Gas Schedule G-SFS						
Reservation Charge per Dth per month	\$0.3024		\$0.3024	0.00%		
Gas Schedule G-SFT						
	Reservation Rate		Reservation Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$11.5326	\$15.2618	\$11.5326	0.00%	\$15.2618	0.00%
Baja to On-System (Per Dth)	\$12.6335	\$16.7186	\$12.6335	0.00%	\$16.7186	0.00%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$11.4885	\$14.4928	\$11.4885	0.00%	\$14.4928	0.00%
Silverado to On-System (Per Dth)	\$7.2685	\$9.5034	\$7.2685	0.00%	\$9.5034	0.00%
Mission to On-System (Per Dth)	\$7.2685	\$9.5034	\$7.2685	0.00%	\$9.5034	0.00%
	Usage Rate		Usage Rate			
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$0.1237	\$0.0011	\$0.1237	0.00%	\$0.0011	0.00%
Baja to On-System (Per Dth)	\$0.1355	\$0.0012	\$0.1355	0.00%	\$0.0012	0.00%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$0.1000	\$0.0013	\$0.1000	0.00%	\$0.0013	0.00%
Silverado to On-System (Per Dth)	\$0.0744	\$0.0009	\$0.0744	0.00%	\$0.0009	0.00%
Mission to On-System (Per Dth)	\$0.0744	\$0.0009	\$0.0744	0.00%	\$0.0009	0.00%
Gas Schedule G-XF						
SFV Reservation Rates (Per Dth Per Month)	5.7271		5.7271	0.00%		
SFV Usage Rates Rates (Per Dth)	0.0001		0.0001	0.00%		

Notes:

- 1) Rates are based on 1/1/2017 - Annual Gas True-Up including the 2015 GT&S Rate Case Phase 2 Decision 16-12-010; implemented with AL 3788-G for Gas Accord Unbundled Tariffs; AL 3791-G for noncore tariffs; AL 3793-G for core tariffs; and AL 3778-G for Public Purpose Program Surcharge.
- 2) Rates are based on 7/1/2017 - Implementation of the 2017 GRC Decision 17-05-013 and Revising the Self Generation Incentive Program Pursuant to Assembly Bill 1637 D. 17-04-017.

EXHIBIT C

Statement of Proposed Changes

ILLUSTRATIVE END-USE CLASS AVERAGE RATES
(\$/DTH)^(a)

Line No.	Customer Class	Present Rates ^(b) 1/1/2018	Proposed Averaged Rates with 2019 GT&S	\$ Change ^(c)	% Change
1	<u>Core Retail Bundled Service^(d)</u>				
2	Residential Non-California Alternate Rates for Energy (CARE) ^(e)	\$16.1318	\$16.4583	\$0.3266	2.0%
3	Small Commercial Non-CARE ^(e)	\$11.5112	\$11.7511	\$0.2400	2.1%
4	Large Commercial	\$8.9908	\$9.1618	\$0.1710	1.9%
5	Uncompressed Core Natural Gas Vehicle (NGV)	\$7.5046	\$7.6597	\$0.1551	2.1%
6	Compressed Core NGV	\$22.1603	\$22.5860	\$0.4257	1.9%
7	<u>Core Retail Transport Only^(f)</u>				
8	Residential Non-CARE ^(e)	\$11.8764	\$12.0670	\$0.1906	1.6%
9	Small Commercial Non-CARE ^(d)	\$7.4256	\$7.5362	\$0.1107	1.5%
10	Large Commercial	\$5.2041	\$5.2586	\$0.0545	1.0%
11	Uncompressed Core NGV	\$3.7403	\$3.7784	\$0.0381	1.0%
12	Compressed Core NGV	\$18.3960	\$18.7047	\$0.3087	1.7%
13	<u>Noncore Retail Transportation Only^(f)</u>				
14	Industrial – Distribution	\$3.0638	\$3.5203	\$0.4565	14.9%
15	Industrial – Transmission	\$1.5889	\$2.0445	\$0.4556	28.7%
16	Industrial – Backbone	\$0.4757	\$0.5159	\$0.0402	8.5%
17	Uncompressed Noncore NGV – Distribution	\$2.9078	\$3.3643	\$0.4565	15.7%
18	Uncompressed Noncore NGV – Transmission	\$1.4382	\$1.8938	\$0.4556	31.7%
19	EG – Distribution/Transmission	\$1.1157	\$1.5742	\$0.4585	41.1%
20	EG – Backbone	\$0.0887	\$0.1306	\$0.0419	47.3%
21	<u>Wholesale Transportation Only^(f)</u>				
22	Alpine Natural Gas	\$1.0870	\$1.5476	\$0.4606	42.4%
23	Coalinga	\$1.0903	\$1.5510	\$0.4606	42.2%
24	Island Energy	\$1.2017	\$1.6410	\$0.4392	36.6%
25	Palo Alto	\$1.0646	\$1.5210	\$0.4564	42.9%
26	West Coast Gas – Castle	\$2.9265	\$3.3824	\$0.4559	15.6%
27	West Coast Gas – Mather D	\$3.4743	\$3.9346	\$0.4603	13.2%
28	West Coast Gas – Mather T	\$1.1007	\$1.5611	\$0.4604	41.8%

- (a) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.
- (b) 2018 rates are based on PG&E's 2017 AGT Rate Change Filing (AL 3791-G), as modified by PG&E's July 1, 2017 implementation of the 2017 GRC Decision and changes to SGIP revenue requirements (AL 3857-G), and the 2018 GT&S rate components authorized in PG&E's 2015 GT&S Decision, D.16-12-010.
- (c) Dollar differences are due to rounding.
- (d) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, and transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with AL 3857-G. Core bundled rates also includes the cost of transportation and delivery of gas from the Citygate to the customer's burner-tip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- (e) CARE customers receive a 20-percent discount on transportation and procurement and do not pay the CARE-related portions of the PPP Surcharge rate and the California Solar Initiative (CSI) – Solar Thermal Program.
- (f) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's Citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, PPPs and CCCs. Transportation-only rates exclude backbone transmission and storage costs.

EXHIBIT D

Results of Operations at Proposed Rates

Exhibit D

Pacific Gas and Electric Company
2019 Gas Transmission and Storage Case (2019 GT&S Application)
Results of Operations at Proposed Rates
Total Gas Transmission Revenue Requirement Request
(Thousands of Dollars)

Line No.	Description	Test Year	Attrition Year 2020		Attrition Year 2021		Attrition Year 2022	
		2019	Increase	Total	Increase	Total	Increase	Total
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
REVENUE:								
1	Base Revenue Requirement	1,588,929	135,241	1,724,170	180,389	1,904,559	8,476	1,913,035
2	Plus Other Operating Revenue	5,076	-	5,076	-	5,076	-	5,076
3	Total Operating Revenue	1,594,004	135,241	1,729,245	180,389	1,909,634	8,476	1,918,110
OPERATING EXPENSES:								
4	Energy Costs	-	-	-	-	-	-	-
5	Gathering	1,712	56	1,768	58	1,826	60	1,885
6	Storage	42,402	1,026	43,428	81,255	124,683	5,051	129,734
7	Transmission	614,655	15,648	630,303	15,601	645,904	16,005	661,910
8	Distribution	243	7	250	7	257	7	264
9	Customer Accounts	1,265	35	1,300	36	1,335	37	1,372
10	Uncollectibles	5,133	435	5,568	581	6,149	27	6,176
11	Customer Services	-	-	-	-	-	-	-
12	Administrative and General	110,088	2,767	112,855	2,855	115,711	2,942	118,653
13	Franchise & SFGR Tax Requirement	15,167	1,287	16,453	1,716	18,170	81	18,250
14	Amortization	-	-	-	-	-	-	-
15	Wage Change Impacts	-	-	-	-	-	-	-
16	Other Price Change Impacts	-	-	-	-	-	-	-
17	Other Adjustments	(88,399)	1,394	(87,005)	1,394	(85,611)	1,394	(84,218)
18	Subtotal Expenses:	702,265	22,655	724,920	103,503	828,423	25,605	854,028
TAXES:								
19	Superfund	-	-	-	-	-	-	-
20	Property	76,333	7,382	83,715	7,192	90,907	6,701	97,609
21	Payroll	14,253	479	14,732	495	15,227	512	15,739
22	Business	110	-	110	-	110	-	110
23	Other	465	-	465	-	465	-	465
24	State Corporation Franchise	5,713	4,735	10,448	(1,125)	9,322	(5,658)	3,664
25	Federal Income	82,722	21,575	104,297	8,038	112,335	(14,687)	97,649
26	Total Taxes	179,596	34,171	213,767	14,600	228,366	(13,132)	215,235
27	Depreciation	274,544	29,517	304,061	26,936	330,997	(8,728)	322,269
28	Gas Storage Decommissioning	29,604	-	29,604	-	29,604	(29,604)	-
29	Other Decommissioning	-	-	-	-	-	-	-
30	Total Operating Expenses	1,186,008	86,343	1,272,352	145,039	1,417,391	(25,859)	1,391,531
31	Net for Return	407,996	48,898	456,893	35,350	492,244	34,335	526,579
32	Rate Base	5,305,535	635,862	5,941,397	459,692	6,401,089	446,489	6,847,578
RATE OF RETURN:								
33	On Rate Base	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%	7.69%
34	On Equity	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%
ADJUSTMENTS TO REVENUE REQUIREMENT FOR RATE DESIGN:								
35	Carrying Cost of Working Gas and Load Balancing Gas	913	(484)	429	-	429	-	429
36	Revenue Collected in Rates	1,589,841	134,757	1,724,599	180,389	1,904,988	8,476	1,913,464

Exhibit D

Pacific Gas and Electric Company
2019 Gas Transmission and Storage Case (2019 GT&S Application)
Results of Operations at Present Rates
Total Gas Transmission Revenue Requirement Request
(Thousands of Dollars)

Line No.	Description	Test Year	Attrition Year 2020		Attrition Year 2021		Attrition Year 2022	
		2019	Increase	Total	Increase	Total	Increase	Total
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
REVENUE:								
1	Base Revenue Requirement	1,298,106	-	1,298,106	-	1,298,106	-	1,298,106
2	Plus Other Operating Revenue	2,871	-	2,871	-	2,871	-	2,871
3	Total Operating Revenue	1,300,977	-	1,300,977	-	1,300,977	-	1,300,977
OPERATING EXPENSES:								
4	Energy Costs	-	-	-	-	-	-	-
5	Gathering	1,712	56	1,768	58	1,826	60	1,885
6	Storage	42,402	1,026	43,428	81,255	124,683	5,051	129,734
7	Transmission	614,655	15,648	630,303	15,601	645,904	16,005	661,910
8	Distribution	243	7	250	7	257	7	264
9	Customer Accounts	1,265	35	1,300	36	1,335	37	1,372
10	Uncollectibles	4,189	-	4,189	-	4,189	-	4,189
11	Customer Services	-	-	-	-	-	-	-
12	Administrative and General	110,088	2,767	112,855	2,855	115,711	2,942	118,653
13	Franchise & SFGR Tax Requirement	12,378	-	12,378	-	12,378	-	12,378
14	Amortization	-	-	-	-	-	-	-
15	Wage Change Impacts	-	-	-	-	-	-	-
16	Other Price Change Impacts	-	-	-	-	-	-	-
17	Other Adjustments	(88,399)	1,394	(87,005)	1,394	(85,611)	1,394	(84,218)
18	Subtotal Expenses:	698,533	20,933	719,466	101,206	820,672	25,497	846,169
TAXES:								
19	Superfund	-	-	-	-	-	-	-
20	Property	76,333	7,382	83,715	7,192	90,907	6,701	97,609
21	Payroll	14,253	479	14,732	495	15,227	512	15,739
22	Business	110	-	110	-	110	-	110
23	Other	465	-	465	-	465	-	465
24	State Corporation Franchise	(19,860)	(7,068)	(26,929)	(16,869)	(43,798)	(6,398)	(50,196)
25	Federal Income	(18,531)	(16,205)	(34,737)	(50,163)	(84,900)	(12,105)	(97,005)
26	Total Taxes	52,769	(15,413)	37,356	(59,345)	(21,989)	(11,290)	(33,279)
27	Depreciation	274,544	29,517	304,061	26,936	330,997	(8,728)	322,269
28	Gas Storage Decommissioning	29,604	-	29,604	-	29,604	(29,604)	-
29	Other Decommissioning	-	-	-	-	-	-	-
30	Total Operating Expenses	1,055,450	35,037	1,090,487	68,797	1,159,284	(24,125)	1,135,159
31	Net for Return	245,528	(35,037)	210,490	(68,797)	141,693	24,125	165,819
32	Rate Base	5,305,535	635,862	5,941,397	459,692	6,401,089	446,489	6,847,578
RATE OF RETURN:								
33	On Rate Base	4.63%	-5.51%	3.54%	-14.97%	2.21%	5.40%	2.42%
34	On Equity	10.25%	-15.13%	2.27%	-33.32%	-0.28%	5.85%	0.12%
ADJUSTMENTS TO REVENUE REQUIREMENT FOR RATE DESIGN:								
35	Carrying Cost of Working Gas and Load Balancing Gas	2,841	-	2,841	-	2,841	-	2,841
36	Revenue Collected in Rates	1,300,947	-	1,300,947	-	1,300,947	-	1,300,947

EXHIBIT E

Service to Cities and Counties

SERVICE OF NOTICE OF APPLICATION

In accordance with Rule 3.2(b), Applicant will mail a notice to the following, stating in general terms its proposed change in rates.

State of California

To the Attorney General and the Department of General Services.

State of California
Office of Attorney General
1300 I St Ste 1101
Sacramento, CA 95814

and

Department of General Services
Office of Buildings & Grounds
505 Van Ness Avenue, Room 2012
San Francisco, CA 94102

Counties

To the County Counsel or District Attorney and the County Clerk in the following counties:

Alameda	Mariposa	Santa Clara
Alpine	Mendocino	Santa Cruz
Amador	Merced	Shasta
Butte	Modoc	Sierra
Calaveras	Monterey	Siskiyou
Colusa	Napa	Solano
Contra Costa	Nevada	Sonoma
El Dorado	Placer	Stanislaus
Fresno	Plumas	Sutter
Glenn	Sacramento	Tehama
Humboldt	San Benito	Trinity
Kern	San Bernardino	Tulare
Kings	San Francisco	Tuolumne
Lake	San Joaquin	Yolo
Lassen	San Luis Obispo	Yuba
Madera	San Mateo	
Marin	Santa Barbara	

Municipal Corporations

To the City Attorney and the City Clerk of the following municipal corporations:

Alameda	Colusa	Hanford
Albany	Concord	Hayward
Amador City	Corcoran	Healdsburg
American Canyon	Corning	Hercules
Anderson	Corte Madera	Hillsborough
Angels Camp	Cotati	Hollister
Antioch	Cupertino	Hughson
Arcata	Daly City	Huron
Arroyo Grande	Danville	Ione
Arvin	Davis	Isleton
Atascadero	Del Rey Oaks	Jackson
Atherton	Dinuba	Kerman
Atwater	Dixon	King City
Auburn	Dos Palos	Kingsburg
Avenal	Dublin	Lafayette
Bakersfield	East Palo Alto	Lakeport
Barstow	El Cerrito	Larkspur
Belmont	Elk Grove	Lathrop
Belvedere	Emeryville	Lemoore
Benicia	Escalon	Lincoln
Berkeley	Eureka	Live Oak
Biggs	Fairfax	Livermore
Blue Lake	Fairfield	Livingston
Brentwood	Ferndale	Lodi
Brisbane	Firebaugh	Lompoc
Buellton	Folsom	Loomis
Burlingame	Fort Bragg	Los Altos
Calistoga	Fortuna	Los Altos Hills
Campbell	Foster City	Los Banos
Capitola	Fowler	Los Gatos
Carmel	Fremont	Madera
Ceres	Fresno	Manteca
Chico	Galt	Maricopa
Chowchilla	Gilroy	Marina
Citrus Heights	Gonzales	Mariposa
Clayton	Grass Valley	Martinez
Clearlake	Greenfield	Marysville
Cloverdale	Gridley	McFarland
Clovis	Grover Beach	Mendota
Coalinga	Guadalupe	Menlo Park
Colfax	Gustine	Merced
Colma	Half Moon Bay	Mill Valley

Millbrae
Milpitas
Modesto
Monte Sereno
Monterey
Moraga
Morgan Hill
Morro Bay
Mountain View
Napa
Newark
Nevada City
Newman
Novato
Oakdale
Oakland
Oakley
Orange Cove
Orinda
Orland
Oroville
Pacific Grove
Pacifica
Palo Alto
Paradise
Parlier
Paso Robles
Patterson
Petaluma
Piedmont
Pinole
Pismo Beach
Pittsburg
Placerville
Pleasant Hill
Pleasanton
Plymouth
Point Arena
Portola
Portola Valley
Rancho Cordova
Red Bluff
Redding
Redwood City
Reedley
Richmond

Ridgecrest
Rio Dell
Rio Vista
Ripon
Riverbank
Rocklin
Rohnert Park
Roseville
Ross
Sacramento
Saint Helena
Salinas
San Anselmo
San Bruno
San Carlos
San Francisco
San Joaquin
San Jose
San Juan Bautista
San Leandro
San Luis Obispo
San Mateo
San Pablo
San Rafael
San Ramon
Sand City
Sanger
Santa Clara
Santa Cruz
Santa Maria
Santa Rosa
Saratoga
Sausalito
Scotts Valley
Seaside
Sebastopol
Selma
Shafter
Shasta Lake
Soledad
Solvang
Sonoma
Sonora
South San Francisco
Stockton
Suisun City

Sunnyvale
Sutter Creek
Taft
Tehama
Tiburon
Tracy
Trinidad
Turlock
Ukiah
Union City
Vacaville
Vallejo
Victorville
Walnut Creek
Wasco
Waterford
Watsonville
West Sacramento
Wheatland
Williams
Willits
Willows
Windsor
Winters
Woodland
Woodside
Yountville
Yuba City

EXHIBIT F

Consolidated Service List to
Application A.13-12-012 / I.14-06-016



[CPUC Home](#)



California
Public Utilities
Commission



CALIFORNIA PUBLIC UTILITIES COMMISSION Service Lists

PROCEEDING: A1312012 - PG&E - PROPOSING COS
FILER: PACIFIC GAS AND ELECTRIC COMPANY
LIST NAME: LIST
LAST CHANGED: NOVEMBER 13, 2017

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